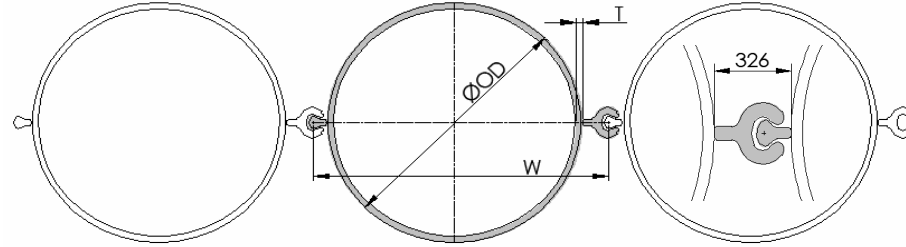




Predictable, Quantifiable
Retaining Wall Systems for All
Soil Types



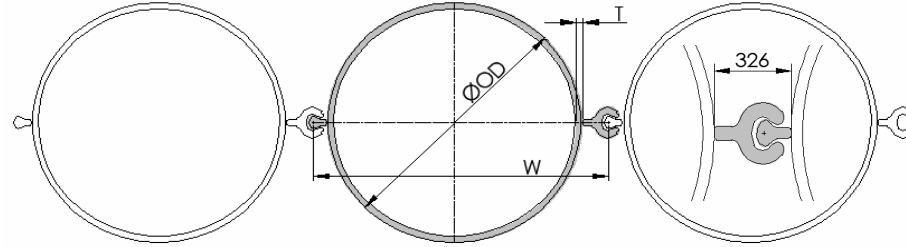
O-Pile 51 - 1088
KEY: (51 = Section Modulus)
(1088 = System Width)

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SECTION	UNIT OF WALL						BENDING MOMENT/MEL								
	Diameter OD	Thickness (Wall) T	System Width* W	Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	
O-Pile 22-834	508	9.52	834	2187.8	3413.3	55570.9	105.35	128.75	152.15	754.2	905.1	980.5	1050.2	1214.2	754.2
O-Pile 23-834	508	10	834	2290.5	3413.3	58177.8	109.64	133.76	157.87	789.6	947.5	1026.5	1099.4	1271.2	789.6
O-Pile 26-834	508	11.11	834	2528.5	3413.3	64223.9	119.66	145.45	171.23	871.7	1046	1133.2	1213.7	1403.3	871.7
O-Pile 28-834	508	12	834	2716.1	3413.3	68988.1	127.62	154.73	181.85	936.3	1123.6	1217.2	1303.7	1507.4	936.3
O-Pile 29-936	609.6	9.52	935.6	2835	3413.3	86409.4	123.25	149.63	176.02	977.3	1172.8	1270.5	1360.8	1573.4	977.3
O-Pile 29-834	508	12.7	834	2862.6	3413.3	72709	133.88	162.03	190.19	986.8	1184.2	1282.9	1374	1588.7	986.8
O-Pile 30-936	609.6	10	935.6	2969.3	3413.3	90505.6	128.43	155.68	182.93	1023.6	1228.4	1330.7	1425.3	1648	1023.6
O-Pile 32-834	508	14.29	834	3190.1	3413.3	81028.2	148	178.51	209.02	1099.7	1319.7	1429.7	1531.2	1770.5	1099.7
O-Pile 33-936	609.6	11.11	935.6	3281.6	3413.3	100022.2	140.54	169.81	199.08	1131.3	1357.5	1470.7	1575.2	1821.3	1131.3
O-Pile 36-1037	711.2	9.52	1037.2	3504.2	3413.3	124609.5	141.15	170.52	199.88	1208	1449.6	1570.4	1682	1944.8	1208
O-Pile 36-834	508	15.88	834	3511.2	3413.3	89183.7	162.03	194.88	227.73	1210.4	1452.5	1573.6	1685.4	1948.7	1210.4
O-Pile 36-936	609.6	12	935.6	3528.1	3413.3	107537.4	150.17	181.04	211.91	1216.3	1459.5	1581.2	1693.5	1958.1	1216.3
O-Pile 37-1037	711.2	10	1037.2	3671.5	3413.3	130560.2	147.22	177.61	207.99	1265.7	1518.9	1645.4	1762.3	2037.7	1265.7
O-Pile 38-936	609.6	12.7	935.6	3721	3413.3	113416	157.74	189.88	222.01	1282.8	1539.3	1667.6	1786.1	2065.2	1282.8
O-Pile 39-1088	762	9.52	1088	3845.2	3413.3	146501.8	150.1	180.96	211.82	1325.6	1590.7	1723.3	1845.7	2134.1	1325.6
O-Pile 41-1088	762	10	1088	4029.4	3413.3	153518.4	156.62	188.57	220.51	1389.1	1666.9	1805.8	1934.1	2236.3	1389.1
O-Pile 41-1037	711.2	11.11	1037.2	4060.8	3413.3	144403.2	161.42	194.17	226.92	1399.9	1679.9	1819.9	1949.2	2253.8	1399.9
O-Pile 42-834	508	19.05	834	4134.3	3413.3	105012.5	189.81	227.29	264.77	1425.3	1710.3	1852.8	1984.5	2294.6	1425.3
O-Pile 42-936	609.6	14.29	935.6	4153.3	3413.3	126593.6	174.85	209.83	244.82	1431.8	1718.2	1861.4	1993.6	2305.1	1431.8
O-Pile 42-1139	812.8	9.52	1138.8	4189.6	3413.3	170266.9	159.05	191.4	223.75	1444.3	1733.2	1877.6	2011	2325.2	1444.3
O-Pile 44-1037	711.2	12	1037.2	4368.7	3413.3	155350	172.72	207.35	241.98	1506	1807.3	1957.9	2097	2424.6	1506
O-Pile 44-1139	812.8	10	1138.8	4390.8	3413.3	178444	166.02	199.53	233.04	1513.7	1816.4	1967.8	2107.6	2436.9	1513.7
O-Pile 45-1088	762	11.11	1088	4458	3413.3	169849.3	171.87	206.35	240.84	1536.8	1844.2	1997.9	2139.8	2474.2	1536.8
O-Pile 46-1190	863.6	9.52	1189.6	4537.2	3413.3	195914.6	168	201.84	235.68	1564.1	1877	2033.4	2177.8	2518.1	1564.1



Predictable, Quantifiable
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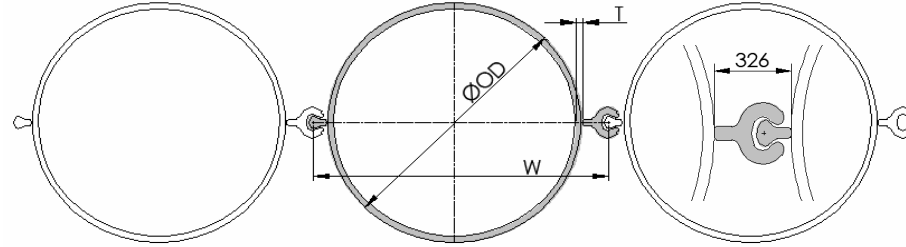
O-Pile 51 - 1088
KEY: (51 = Section Modulus)
(1088 = System Width)

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SECTION	Diameter OD	Thickness (Wall) T	System Width* W	UNIT OF WALL						BENDING MOMENT/MEL					
				Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	
O-Pile 46-936	609.6	15.88	935.6	4578.6	3413.3	139556.4	191.86	229.68	267.5	1578.4	1894.1	2052	2197.7	2541.1	1578.4
O-Pile 47-1037	711.2	12.7	1037.2	4609.8	3413.3	163924	181.61	217.72	253.83	1589.2	1907	2065.9	2212.7	2558.4	1589.2
O-Pile 48-1190	863.6	10	1189.6	4755.5	3413.3	205343.8	175.41	210.49	245.57	1639.4	1967.3	2131.2	2282.7	2639.3	1639.4
O-Pile 48-885	558.8	19.05	884.8	4764.3	3413.3	133115.4	207.71	248.17	288.64	1642.4	1970.9	2135.2	2286.9	2644.2	1642.4
O-Pile 48-1088	762	12	1088	4797.1	3413.3	182771.1	184	220.5	257.01	1653.8	1984.5	2149.9	2302.6	2662.4	1653.8
O-Pile 49-1139	812.8	11.11	1138.8	4859.2	3413.3	197479.8	182.31	218.54	254.76	1675.2	2010.2	2177.7	2332.4	2696.9	1675.2
O-Pile 49-1240	914.4	9.52	1240.4	4887.3	3413.3	223448.1	176.95	212.28	247.62	1684.8	2021.8	2190.3	2345.9	2712.5	1684.8
O-Pile 50-936	609.6	17.46	935.6	4997	3413.3	152307.6	208.78	249.42	290.06	1722.6	2067.2	2239.4	2398.5	2773.3	1722.6
O-Pile 51-1088	762	12.7	1088	5062.9	3413.3	192897.1	193.54	231.64	269.74	1745.4	2094.5	2269	2430.2	2809.9	1745.4
O-Pile 52-1240	914.4	10	1240.4	5123	3413.3	234224.4	184.81	221.45	258.1	1766.1	2119.3	2295.9	2459	2843.3	1766.1
O-Pile 52-1037	711.2	14.29	1037.2	5151.2	3413.3	183176.8	201.7	241.16	280.62	1775.8	2131	2308.6	2472.6	2858.9	1775.8
O-Pile 53-1139	812.8	12	1138.8	5230.1	3413.3	212550.9	195.27	233.66	272.05	1803	2163.6	2343.9	2510.4	2902.7	1803
O-Pile 53-1291	965.2	9.52	1291.2	5239.8	3413.3	252874.8	185.9	222.72	259.55	1806.4	2167.6	2348.3	2515.1	2908.1	1806.4
O-Pile 53-1190	863.6	11.11	1189.6	5264.1	3413.3	227305	192.75	230.72	268.69	1814.7	2177.7	2359.2	2526.8	2921.6	1814.7
O-Pile 55-936	609.6	19.05	935.6	5408.4	3413.3	164849.3	225.61	269.06	312.5	1864.5	2237.4	2423.8	2596.1	3001.7	1864.5
O-Pile 55-1291	965.2	10	1291.2	5493	3413.3	265092.2	194.21	232.42	270.63	1893.6	2272.4	2461.7	2636.6	3048.6	1893.6
O-Pile 56-1139	812.8	12.7	1138.8	5520.8	3413.3	224366.9	205.47	245.56	285.65	1903.2	2283.9	2474.2	2650	3064.1	1903.2
O-Pile 56-1342	1016	9.52	1342	5594.4	3413.3	284197.5	194.85	233.16	271.48	1928.6	2314.3	2507.2	2685.3	3104.9	1928.6
O-Pile 57-1088	762	14.29	1088	5660.1	3413.3	215649.8	215.12	256.82	298.52	1951.3	2341.5	2536.6	2716.8	3141.4	1951.3
O-Pile 57-1190	863.6	12	1189.6	5667	3413.3	244699.9	206.55	246.81	287.08	1953.6	2344.3	2539.7	2720.1	3145.2	1953.6
O-Pile 57-1240	914.4	11.11	1240.4	5672.2	3413.3	259330.9	203.19	242.9	282.61	1955.4	2346.5	2542	2722.6	3148	1955.4
O-Pile 57-1037	711.2	15.88	1037.2	5685.1	3413.3	202162.6	221.7	264.49	307.28	1959.9	2351.8	2547.8	2728.9	3155.2	1959.9
O-Pile 59-936	609.6	20.64	935.6	5813.1	3413.3	177183.6	242.35	288.58	334.81	2004	2404.8	2605.2	2790.3	3226.3	2004
O-Pile 59-1342	1016	10	1342	5865.2	3413.3	297950.8	203.6	243.38	283.15	2021.9	2426.3	2628.5	2815.3	3255.2	2021.9
O-Pile 60-1393	1066.8	9.52	1392.8	5950.9	3413.3	317421	203.8	243.61	283.41	2051.5	2461.8	2666.9	2856.4	3302.7	2051.5
O-Pile 60-1190	863.6	12.7	1189.6	5982.9	3413.3	258342.3	217.41	259.48	301.56	2062.5	2475	2681.3	2871.8	3320.5	2062.5
O-Pile 61-1291	965.2	11.11	1291.2	6083	3413.3	293563.4	213.63	255.08	296.53	2097	2516.4	2726.1	2919.8	3376	2097
O-Pile 62-1240	914.4	12	1240.4	6107.3	3413.3	279224.4	217.82	259.97	302.11	2105.4	2526.5	2737	2931.5	3389.5	2105.4



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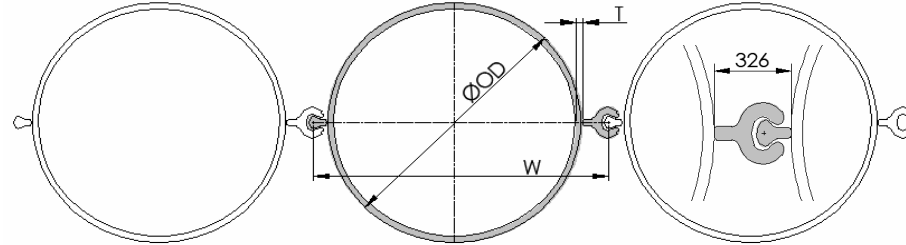
O-Pile 51 - 1088
KEY: (51 = Section Modulus)
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SECTION	Diameter OD	Thickness (Wall) T	System Width* W	UNIT OF WALL						BENDING MOMENT/MEL					
				Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	
O-Pile 62-1139	812.8	14.29	1138.8	6174.5	3413.3	250929.9	228.55	272.48	316.42	2128.6	2554.3	2767.1	2963.7	3426.8	2128.6
O-Pile 63-936	609.6	22.22	935.6	6211	3413.3	189312.7	258.99	307.99	357	2141.2	2569.4	2783.5	2981.3	3447.1	2141.2
O-Pile 63-1037	711.2	17.46	1037.2	6211.6	3413.3	220884.1	241.6	287.71	333.82	2141.4	2569.6	2783.8	2981.6	3447.4	2141.4
O-Pile 63-1393	1066.8	10	1392.8	6239.3	3413.3	332803.7	213	254.34	295.68	2150.9	2581.1	2796.2	2994.9	3462.8	2150.9
O-Pile 63-1088	762	15.88	1088	6249.6	3413.3	238109.4	236.61	281.89	327.17	2154.5	2585.4	2800.8	2999.8	3468.5	2154.5
O-Pile 64-1444	1117.6	9.52	1443.6	6309	3413.3	352547.1	212.75	254.05	295.35	2175	2609.9	2827.4	3028.3	3501.5	2175
O-Pile 65-948	622.3	22.22	948.3	6400.3	3413.3	199144.3	264.21	314.08	363.96	2206.4	2647.7	2868.3	3072.1	3552.1	2206.4
O-Pile 65-1240	914.4	12.7	1240.4	6448.6	3413.3	294831.5	229.34	273.41	317.47	2223.1	2667.7	2890	3095.3	3579	2223.1
O-Pile 65-1342	1016	11.11	1342	6496.2	3413.3	330008.2	224.07	267.26	310.45	2239.5	2687.4	2911.3	3118.2	3605.4	2239.5
O-Pile 66-1291	965.2	12	1291.2	6550.6	3413.3	316132.3	229.1	273.12	317.15	2258.2	2709.9	2935.7	3144.3	3635.6	2258.2
O-Pile 67-936	609.6	23.81	935.6	6602.3	3413.3	201238.8	275.53	327.3	379.06	2276.1	2731.3	2958.9	3169.1	3664.3	2276.1
O-Pile 67-1444	1117.6	10	1443.6	6615.2	3413.3	369655.7	222.39	265.3	308.21	2280.5	2736.6	2964.6	3175.3	3671.4	2280.5
O-Pile 67-1190	863.6	14.29	1189.6	6693.6	3413.3	289028.2	241.97	288.14	334.32	2307.5	2769	2999.8	3212.9	3714.9	2307.5
O-Pile 68-1037	711.2	19.05	1037.2	6730.7	3413.3	239343.4	261.41	310.82	360.23	2320.3	2784.4	3016.4	3230.7	3735.5	2320.3
O-Pile 69-1139	812.8	15.88	1138.8	6820.2	3413.3	277173.3	251.53	299.29	347.06	2351.2	2821.4	3056.5	3273.7	3785.2	2351.2
O-Pile 69-1088	762	17.46	1088	6831.4	3413.3	260277.6	258.01	306.85	355.7	2355.1	2826.1	3061.6	3279.1	3791.4	2355.1
O-Pile 70-1393	1066.8	11.11	1392.8	6911.7	3413.3	368669.6	234.51	279.44	324.37	2382.7	2859.3	3097.5	3317.6	3836	2382.7
O-Pile 70-1291	965.2	12.7	1291.2	6917.6	3413.3	333842.9	241.27	287.33	333.38	2384.8	2861.7	3100.2	3320.4	3839.3	2384.8
O-Pile 70-936	609.6	25.4	935.6	6987	3413.3	212964.9	291.99	346.5	401	2408.7	2890.4	3131.3	3353.8	3877.8	2408.7
O-Pile 70-1342	1016	12	1342	6996.6	3413.3	355428.5	240.37	286.28	332.18	2412	2894.4	3135.6	3358.4	3883.1	2412
O-Pile 71-1545	1219.2	9.52	1545.2	7029.6	3413.3	428521.9	230.65	274.93	319.21	2423.4	2908	3150.4	3374.2	3901.4	2423.4
O-Pile 73-1240	914.4	14.29	1240.4	7216.9	3413.3	329954.9	255.4	303.81	352.22	2487.9	2985.5	3234.3	3464.1	4005.4	2487.9
O-Pile 73-1037	711.2	20.64	1037.2	7242.5	3413.3	257543.4	281.13	333.83	386.52	2496.8	2996.1	3245.8	3476.4	4019.6	2496.8
O-Pile 74-1444	1117.6	11.11	1443.6	7329.1	3413.3	409551.1	244.96	291.62	338.29	2526.6	3031.9	3284.6	3518	4067.7	2526.6
O-Pile 74-1545	1219.2	10	1545.2	7371.5	3413.3	449365.1	241.19	287.23	333.27	2541.2	3049.5	3303.6	3538.3	4091.2	2541.2
O-Pile 74-1342	1016	12.7	1342	7389.4	3413.3	375381.5	253.21	301.25	349.29	2547.4	3056.9	3311.6	3546.9	4101.1	2547.4
O-Pile 74-1596	1270	9.52	1596	7391.7	3413.3	469374.7	239.59	285.37	331.15	2548.2	3057.8	3312.7	3548	4102.4	2548.2
O-Pile 74-1190	863.6	15.88	1189.6	7396.2	3413.3	319367	266.44	316.69	366.95	2549.7	3059.7	3314.7	3550.2	4104.9	2549.7



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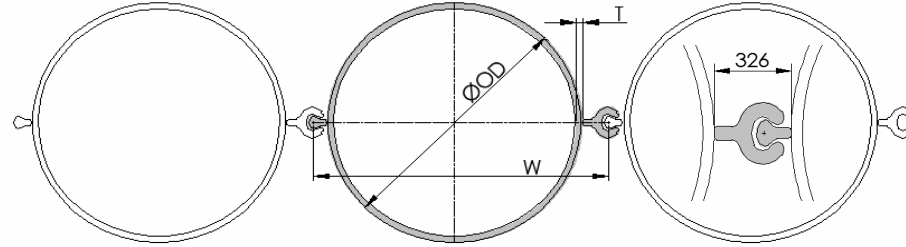
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							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m
O-Pile 75-1088	762	19.05	1088	7405.7	3413.3	282156.2	279.31	331.7	384.1	2553	3063.6	3318.9	3554.7	4110.2	2553
O-Pile 75-1393	1066.8	12	1392.8	7445	3413.3	397117.3	251.65	299.43	347.22	2566.6	3079.9	3336.6	3573.6	4132	2566.6
O-Pile 75-1139	812.8	17.46	1138.8	7458.1	3413.3	303098	274.41	325.99	377.57	2571.1	3085.3	3342.4	3579.9	4139.3	2571.1
O-Pile 78-1291	965.2	14.29	1291.2	7743.8	3413.3	373716.7	268.82	319.47	370.12	2669.6	3203.5	3470.5	3717	4297.8	2669.6
O-Pile 78-1037	711.2	22.22	1037.2	7747.1	3413.3	275486.9	300.75	356.72	412.69	2670.7	3204.9	3471.9	3718.6	4299.6	2670.7
O-Pile 78-1596	1270	10	1596	7751.6	3413.3	492227.4	250.58	298.19	345.79	2672.3	3206.7	3474	3720.8	4302.1	2672.3
O-Pile 78-1647	1320.8	9.52	1646.8	7755	3413.3	512139.3	248.54	295.81	343.08	2673.4	3208.1	3475.5	3722.4	4304	2673.4
O-Pile 79-1393	1066.8	12.7	1392.8	7863.8	3413.3	419452.9	265.14	315.17	365.21	2710.9	3253.1	3524.2	3774.6	4364.4	2710.9
O-Pile 79-1444	1117.6	12	1443.6	7895.6	3413.3	441203.9	262.92	312.59	362.25	2721.9	3266.3	3538.5	3789.9	4382	2721.9
O-Pile 80-1088	762	20.64	1088	7972.4	3413.3	303750	300.52	356.45	412.38	2748.4	3298.1	3572.9	3826.8	4424.7	2748.4
O-Pile 80-1240	914.4	15.88	1240.4	7976.9	3413.3	364701.7	281.36	334.1	386.83	2749.9	3299.9	3574.9	3828.9	4427.2	2749.9
O-Pile 81-1139	812.8	19.05	1138.8	8088.3	3413.3	328706.5	297.21	352.59	407.97	2788.3	3346	3624.8	3882.4	4489	2788.3
O-Pile 81-1190	863.6	17.46	1189.6	8090.8	3413.3	349360.3	290.82	345.14	399.45	2789.2	3347	3626	3883.6	4490.4	2789.2
O-Pile 82-1698	1371.6	9.52	1697.6	8119.3	3413.3	556818.4	257.49	306.25	355.01	2799	3358.8	3638.7	3897.2	4506.2	2799
O-Pile 82-1647	1320.8	10	1646.8	8132.9	3413.3	537098	259.98	309.15	358.32	2803.7	3364.5	3644.8	3903.8	4513.8	2803.7
O-Pile 82-1545	1219.2	11.11	1545.2	8169.1	3413.3	497988	265.84	315.99	366.14	2816.2	3379.4	3661.1	3921.2	4533.8	2816.2
O-Pile 83-1037	711.2	23.81	1037.2	8244.5	3413.3	293175.9	320.28	379.51	438.73	2842.2	3410.6	3694.9	3957.4	4575.7	2842.2
O-Pile 83-1342	1016	14.29	1342	8274	3413.3	420321.2	282.25	335.13	388.01	2852.4	3422.8	3708.1	3971.5	4592.1	2852.4
O-Pile 84-1444	1117.6	12.7	1443.6	8340.4	3413.3	466061.2	277.07	329.09	381.12	2875.3	3450.3	3737.8	4003.4	4628.9	2875.3
O-Pile 85-1748	1422.4	9.52	1748.4	8484.5	3413.3	603414.6	266.44	316.69	366.95	2924.9	3509.9	3802.4	4072.5	4708.9	2924.9
O-Pile 86-1698	1371.6	10	1697.6	8515.3	3413.3	583978	269.37	320.11	370.85	2935.5	3522.6	3816.2	4087.3	4726	2935.5
O-Pile 86-1088	762	22.22	1088	8531.8	3413.3	325059.7	321.63	381.08	440.53	2941.2	3529.5	3823.6	4095.2	4735.1	2941.2
O-Pile 86-1291	965.2	15.88	1291.2	8561.7	3413.3	413187	296.28	351.5	406.72	2951.5	3541.8	3837	4109.6	4751.7	2951.5
O-Pile 86-1596	1270	11.11	1596	8591.3	3413.3	545548.2	276.28	328.17	380.06	2961.8	3554.1	3850.3	4123.8	4768.2	2961.8
O-Pile 88-1139	812.8	20.64	1138.8	8710.7	3413.3	354003.3	319.91	379.07	438.23	3002.9	3603.5	3903.8	4181.1	4834.4	3002.9
O-Pile 88-1240	914.4	17.46	1240.4	8728.7	3413.3	399076.1	307.23	364.28	421.33	3009.1	3610.9	3911.8	4189.8	4844.4	3009.1
O-Pile 88-1037	711.2	25.4	1037.2	8734.9	3413.3	310612.2	339.72	402.18	464.65	3011.2	3613.5	3914.6	4192.7	4847.9	3011.2
O-Pile 88-1190	863.6	19.05	1189.6	8777.5	3413.3	379010.6	315.11	373.47	431.83	3025.9	3631.1	3933.7	4213.2	4871.5	3025.9



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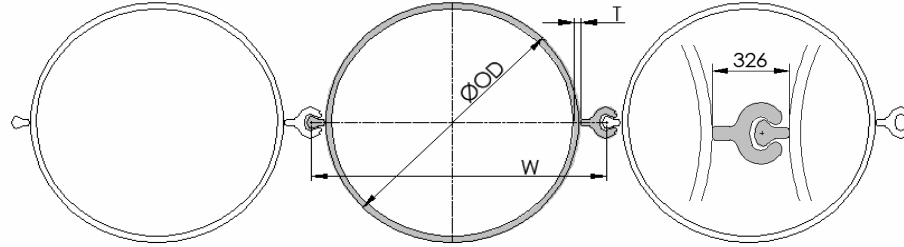
O-Pile 51 - 1088
KEY: (51 = Section Modulus)
(1088 = System Width)

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SECTION	Diameter OD	Thickness (Wall) T	System Width* W	UNIT OF WALL						BENDING MOMENT/MEL					
				Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m
O-Pile 89-1545	1219.2	12	1545.2	8802.2	3413.3	536583	285.47	338.89	392.32	3034.5	3641.3	3944.8	4225.1	4885.2	3034.5
O-Pile 89-1393	1066.8	14.29	1392.8	8807.2	3413.3	469774.6	295.67	350.79	405.91	3036.2	3643.4	3947	4227.4	4888	3036.2
O-Pile 89-1748	1422.4	10	1748.4	8898.6	3413.3	632870.1	278.77	331.07	383.38	3067.7	3681.2	3988	4271.3	4938.7	3067.7
O-Pile 91-1647	1320.8	11.11	1646.8	9014.8	3413.3	595340.1	286.72	340.35	393.98	3107.8	3729.3	4040.1	4327.1	5003.2	3107.8
O-Pile 91-1088	762	23.81	1088	9083.7	3413.3	346089.2	342.66	405.61	468.56	3131.5	3757.8	4070.9	4360.2	5041.5	3131.5
O-Pile 92-1342	1016	15.88	1342	9150.2	3413.3	464829.4	311.19	368.9	426.61	3154.4	3785.3	4100.7	4392.1	5078.4	3154.4
O-Pile 93-1850	1524	9.52	1850	9217.3	3413.3	702356.8	284.34	337.58	390.81	3177.5	3813.1	4130.8	4424.3	5115.6	3177.5
O-Pile 93-1596	1270	12	1596	9258	3413.3	587881.6	296.75	352.05	407.35	3191.6	3829.9	4149	4443.8	5138.2	3191.6
O-Pile 93-1545	1219.2	12.7	1545.2	9299.6	3413.3	566903.3	300.94	356.94	412.94	3205.9	3847.1	4167.7	4463.8	5161.3	3205.9
O-Pile 94-1139	812.8	22.22	1138.8	9325.5	3413.3	378989.3	342.52	405.45	468.38	3214.9	3857.8	4179.3	4476.3	5175.7	3214.9
O-Pile 94-1444	1117.6	14.29	1443.6	9342.9	3413.3	522080.9	309.1	366.45	423.81	3220.9	3865	4187.1	4484.6	5185.3	3220.9
O-Pile 94-1291	965.2	17.46	1291.2	9371.2	3413.3	452256	323.64	383.42	443.2	3230.6	3876.7	4199.8	4498.2	5201	3230.6
O-Pile 95-1698	1371.6	11.11	1697.6	9439.6	3413.3	647366.9	297.16	352.53	407.9	3254.2	3905	4230.4	4531	5239	3254.2
O-Pile 95-1190	863.6	20.64	1189.6	9456.2	3413.3	408320.4	339.3	401.69	464.09	3259.9	3911.9	4237.9	4539	5248.2	3259.9
O-Pile 95-1240	914.4	19.05	1240.4	9472.4	3413.3	433079.7	333.01	394.35	455.7	3265.5	3918.6	4245.2	4546.8	5257.2	3265.5
O-Pile 96-1901	1574.8	9.52	1900.8	9584.8	3413.3	754703.3	293.29	348.02	402.74	3304.2	3965.1	4295.5	4600.7	5319.5	3304.2
O-Pile 97-1088	762	25.4	1088	9628.3	3413.3	366839.2	363.59	430.03	496.47	3319.2	3983.1	4315	4621.6	5343.7	3319.2
O-Pile 97-1850	1524	10	1850	9667.9	3413.3	736691.9	297.56	353	408.44	3332.9	3999.5	4332.7	4640.6	5365.7	3332.9
O-Pile 98-1647	1320.8	12	1646.8	9715.2	3413.3	641589.7	308.02	365.2	422.38	3349.2	4019	4353.9	4663.3	5391.9	3349.2
O-Pile 98-1393	1066.8	15.88	1392.8	9742	3413.3	519636	326.11	386.3	446.5	3358.4	4030.1	4365.9	4676.1	5406.8	3358.4
O-Pile 98-1596	1270	12.7	1596	9781.8	3413.3	621143.5	312.87	370.86	428.85	3372.2	4046.6	4383.8	4695.3	5428.9	3372.2
O-Pile 99-1748	1422.4	11.11	1748.4	9865.4	3413.3	701624.3	307.6	364.71	421.82	3401	4081.2	4421.2	4735.4	5475.3	3401
O-Pile 100-1139	812.8	23.81	1138.8	9932.8	3413.3	403667	365.03	431.71	498.39	3424.2	4109	4451.5	4767.7	5512.7	3424.2
O-Pile 101-1342	1016	17.46	1342	10017.9	3413.3	508908.3	340.05	402.56	465.08	3453.5	4144.2	4489.6	4808.6	5559.9	3453.5
O-Pile 101-1901	1574.8	10	1900.8	10053.6	3413.3	791619.3	306.96	363.96	420.96	3465.9	4159	4505.6	4825.7	5579.7	3465.9
O-Pile 102-1190	863.6	22.22	1189.6	10127.2	3413.3	437293.2	363.4	429.81	496.22	3491.2	4189.5	4538.6	4861.1	5620.6	3491.2
O-Pile 102-1291	965.2	19.05	1291.2	10172.6	3413.3	490927.8	350.91	415.23	479.56	3506.9	4208.2	4558.9	4882.8	5645.8	3506.9
O-Pile 102-1698	1371.6	12	1697.6	10173.6	3413.3	697708.5	319.3	378.36	437.42	3507.2	4208.7	4559.4	4883.3	5646.4	3507.2



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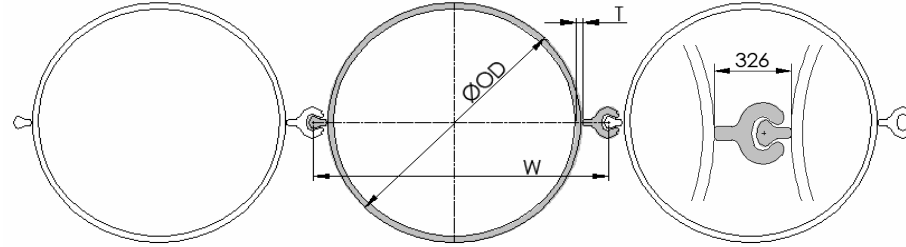
O-Pile 51 - 1088
KEY: (51 = Section Modulus)
(1088 = System Width)

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SECTION	Diameter OD	Thickness (Wall) T	System Width* W	UNIT OF WALL						BENDING MOMENT/MEL					
				Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	
O-Pile 103-1240	914.4	20.64	1240.4	10208.1	3413.3	466716.4	358.69	424.32	489.94	3519.1	4223	4574.9	4899.9	5665.5	3519.1
O-Pile 103-1647	1320.8	12.7	1646.8	10265.5	3413.3	677933	324.8	384.78	444.76	3538.9	4246.7	4600.6	4927.4	5697.3	3538.9
O-Pile 104-1202	876.3	22.22	1202.3	10328.8	3413.3	452554.4	368.62	435.9	503.18	3560.7	4272.9	4628.9	4957.8	5732.5	3560.7
O-Pile 104-1444	1117.6	15.88	1443.6	10336.7	3413.3	577612.2	341.03	403.71	466.39	3563.4	4276.1	4632.5	4961.6	5736.8	3563.4
O-Pile 105-1545	1219.2	14.29	1545.2	10421.1	3413.3	635271.2	335.94	397.78	459.61	3592.6	4311.1	4670.3	5002.1	5783.7	3592.6
O-Pile 106-1139	812.8	25.4	1138.8	10532.5	3413.3	428040	387.45	457.87	528.29	3630.9	4357.1	4720.2	5055.6	5845.5	3630.9
O-Pile 107-1748	1422.4	12	1748.4	10633.3	3413.3	756240	330.57	391.51	452.45	3665.7	4398.8	4765.4	5104	5901.5	3665.7
O-Pile 107-1393	1066.8	17.46	1392.8	10668.2	3413.3	569040.8	356.45	421.71	486.96	3677.7	4413.3	4781	5120.7	5920.8	3677.7
O-Pile 108-1850	1524	11.11	1850	10719.9	3413.3	816854.1	328.49	389.08	449.67	3695.5	4434.6	4804.2	5145.5	5949.5	3695.5
O-Pile 108-1698	1371.6	12.7	1697.6	10750.6	3413.3	737276.2	336.74	398.7	460.67	3706.1	4447.4	4818	5160.3	5966.6	3706.1
O-Pile 108-1190	863.6	23.81	1189.6	10790.4	3413.3	465930.6	387.41	457.82	528.23	3719.9	4463.8	4835.8	5179.4	5988.7	3719.9
O-Pile 109-1342	1016	19.05	1342	10877.2	3413.3	552561.8	368.81	436.12	503.43	3749.8	4499.7	4874.7	5221.1	6036.8	3749.8
O-Pile 110-1240	914.4	22.22	1240.4	10935.9	3413.3	499987.9	384.28	454.17	524.06	3770	4524	4901	5249.2	6069.4	3770
O-Pile 110-1596	1270	14.29	1596	10963.1	3413.3	696159.1	349.37	413.44	477.51	3779.4	4535.3	4913.2	5262.3	6084.5	3779.4
O-Pile 110-1291	965.2	20.64	1291.2	10965.7	3413.3	529203.8	378.08	446.94	515.8	3780.3	4536.3	4914.4	5263.5	6086	3780.3
O-Pile 112-1901	1574.8	11.11	1900.8	11148.4	3413.3	877825.1	338.93	401.26	463.59	3843.3	4611.9	4996.3	5351.2	6187.4	3843.3
O-Pile 113-1748	1422.4	12.7	1748.4	11236.9	3413.3	799170.7	348.67	412.62	476.58	3873.8	4648.6	5035.9	5393.7	6236.5	3873.8
O-Pile 114-1444	1117.6	17.46	1443.6	11321.7	3413.3	632659.3	372.86	440.85	508.84	3903	4683.6	5073.9	5434.4	6283.6	3903
O-Pile 115-2155	1828.8	9.52	2154.8	11431.1	3413.3	1045261.7	338.04	400.23	462.41	3940.7	4728.9	5123	5486.9	6344.3	3940.7
O-Pile 115-1190	863.6	25.4	1189.6	11445.9	3413.3	494235.9	411.32	485.71	560.11	3945.9	4735	5129.6	5494.1	6352.5	3945.9
O-Pile 116-1647	1320.8	14.29	1646.8	11507	3413.3	759922.3	362.79	429.1	495.41	3966.9	4760.3	5157	5523.4	6386.4	3966.9
O-Pile 116-1545	1219.2	15.88	1545.2	11533.7	3413.3	703093.5	370.86	438.51	506.16	3976.1	4771.3	5168.9	5536.2	6401.2	3976.1
O-Pile 116-1850	1524	12	1850	11555.7	3413.3	880545.9	353.12	417.82	482.52	3983.7	4780.4	5178.8	5546.7	6413.4	3983.7
O-Pile 116-1393	1066.8	19.05	1392.8	11585.9	3413.3	617991.8	386.71	457	527.29	3994.1	4792.9	5192.3	5561.2	6430.2	3994.1
O-Pile 117-1240	914.4	23.81	1240.4	11655.7	3413.3	532896.6	409.78	483.92	558.06	4018.1	4821.8	5223.6	5594.7	6468.9	4018.1
O-Pile 118-1342	1016	20.64	1342	11728.2	3413.3	595792.1	397.47	469.56	541.65	4043.2	4851.8	5256.1	5629.5	6509.1	4043.2
O-Pile 118-1291	965.2	22.22	1291.2	11750.7	3413.3	567087.2	405.16	478.54	551.91	4050.9	4861.1	5266.2	5640.3	6521.6	4050.9
O-Pile 120-2155	1828.8	10	2154.8	11991.8	3413.3	1096528.7	353.94	418.77	483.6	4134	4960.8	5374.2	5756.1	6655.4	4134



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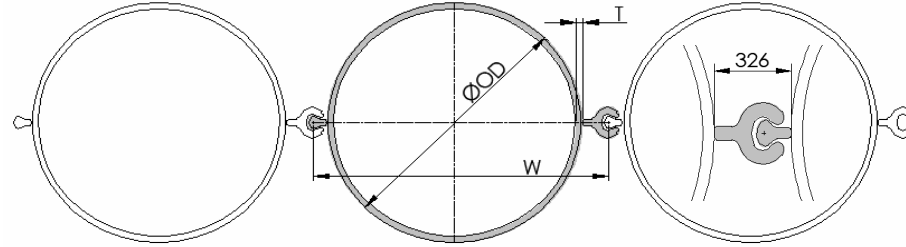
O-Pile 51 - 1088
KEY: (51 = Section Modulus)
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SECTION	Diameter OD	Thickness (Wall) T	System Width* W	UNIT OF WALL						BENDING MOMENT/MEL					
				Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	
O-Pile 121-1901	1574.8	12	1900.8	12018.4	3413.3	946327.9	364.4	430.98	497.55	4143.2	4971.8	5386.1	5768.8	6670.2	4143.2
O-Pile 121-1698	1371.6	14.29	1697.6	12052.3	3413.3	826549.2	376.22	444.76	513.31	4154.9	4985.9	5401.4	5785.1	6689	4154.9
O-Pile 122-1596	1270	15.88	1596	12135.6	3413.3	770607.8	385.77	455.91	526.05	4183.6	5020.3	5438.7	5825.1	6735.2	4183.6
O-Pile 123-1850	1524	12.7	1850	12213	3413.3	930627	372.54	440.47	508.4	4210.3	5052.3	5473.3	5862.2	6778.2	4210.3
O-Pile 123-1444	1117.6	19.05	1443.6	12298.2	3413.3	687223.6	404.61	477.88	551.16	4239.7	5087.6	5511.6	5903.1	6825.5	4239.7
O-Pile 124-1240	914.4	25.4	1240.4	12367.6	3413.3	565446.6	435.18	513.56	591.93	4263.6	5116.3	5542.7	5936.4	6864	4263.6
O-Pile 125-1393	1066.8	20.64	1392.8	12495.1	3413.3	666491.2	416.86	492.19	567.51	4307.6	5169.1	5599.8	5997.7	6934.8	4307.6
O-Pile 126-1291	965.2	23.81	1291.2	12527.6	3413.3	604581	432.15	510.02	587.89	4318.7	5182.5	5614.3	6013.2	6952.8	4318.7
O-Pile 126-1342	1016	22.22	1342	12570.9	3413.3	638602.1	426.05	502.9	579.75	4333.7	5200.4	5633.8	6034	6976.9	4333.7
O-Pile 126-1748	1422.4	14.29	1748.4	12599.1	3413.3	896047.8	389.64	460.43	531.21	4343.4	5212.1	5646.4	6047.6	6992.5	4343.4
O-Pile 127-1545	1219.2	17.46	1545.2	12637.3	3413.3	770372.8	405.68	479.13	552.59	4356.6	5227.9	5663.5	6065.9	7013.7	4356.6
O-Pile 128-1901	1574.8	12.7	1900.8	12702.4	3413.3	1000189.4	384.47	454.39	524.31	4379	5254.8	5692.7	6097.2	7049.8	4379
O-Pile 128-1647	1320.8	15.88	1646.8	12739.3	3413.3	841304.3	400.69	473.31	545.94	4391.7	5270.1	5709.2	6114.9	7070.3	4391.7
O-Pile 133-1444	1117.6	20.64	1443.6	13266	3413.3	741306.5	436.26	514.81	593.36	4573.3	5488	5945.3	6367.7	7362.7	4573.3
O-Pile 133-1291	965.2	25.4	1291.2	13296.5	3413.3	641687.6	459.05	541.4	623.75	4583.8	5500.5	5958.9	6382.3	7379.5	4583.8
O-Pile 133-1596	1270	17.46	1596	13298.9	3413.3	844479.9	422.09	498.28	574.47	4584.6	5501.6	5960	6383.5	7380.9	4584.6
O-Pile 134-2155	1828.8	11.11	2154.8	13301.6	3413.3	1216293.9	391.13	462.17	533.2	4585.6	5502.7	5961.2	6384.7	7382.4	4585.6
O-Pile 134-1698	1371.6	15.88	1697.6	13344.9	3413.3	915192	415.61	490.72	565.83	4600.5	5520.6	5980.6	6405.5	7406.4	4600.5
O-Pile 134-1393	1066.8	22.22	1392.8	13396	3413.3	714542.6	446.93	527.26	607.59	4618.1	5541.7	6003.5	6430.1	7434.8	4618.1
O-Pile 135-1342	1016	23.81	1342	13405.4	3413.3	680994.8	454.53	536.13	617.72	4621.4	5545.6	6007.8	6434.6	7440	4621.4
O-Pile 137-2460	2133.6	9.52	2459.6	13661.4	3413.3	1457399.6	391.74	462.87	534.01	4709.6	5651.5	6122.5	6557.5	7582.1	4709.6
O-Pile 137-1850	1524	14.29	1850	13696.5	3413.3	1043675.7	416.49	491.75	567.01	4721.7	5666	6138.2	6574.3	7601.6	4721.7
O-Pile 138-1545	1219.2	19.05	1545.2	13732.2	3413.3	837114.9	440.4	519.65	598.89	4734	5680.8	6154.2	6591.5	7621.4	4734
O-Pile 140-1748	1422.4	15.88	1748.4	13952.1	3413.3	992272.9	430.52	508.12	585.72	4809.8	5771.8	6252.8	6697	7743.4	4809.8
O-Pile 140-1647	1320.8	17.46	1646.8	13962.6	3413.3	922091.3	438.49	517.42	596.34	4813.4	5776.1	6257.5	6702.1	7749.3	4813.4
O-Pile 143-1444	1117.6	22.22	1443.6	14225.4	3413.3	794915.5	467.81	551.62	635.44	4904	5884.8	6375.2	6828.2	7895.1	4904
O-Pile 143-1342	1016	25.4	1342	14231.7	3413.3	722971.7	482.92	569.24	655.57	4906.2	5887.5	6378.1	6831.2	7898.6	4906.2
O-Pile 143-1901	1574.8	14.29	1900.8	14247	3413.3	1121806.6	429.92	507.41	584.91	4911.5	5893.8	6384.9	6838.5	7907.1	4911.5



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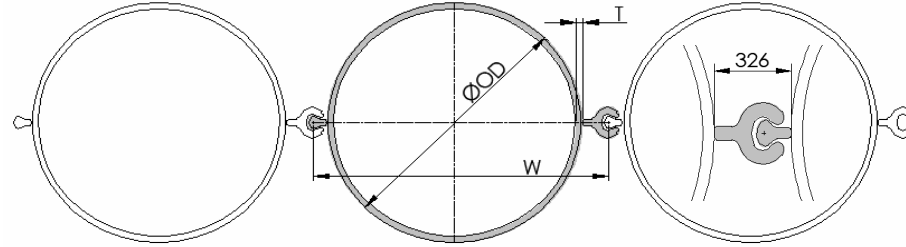
O-Pile 51 - 1088
KEY: (51 = Section Modulus)
(1088 = System Width)

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SECTION	Diameter OD	Thickness (Wall) T	System Width* W	UNIT OF WALL						BENDING MOMENT/MEL					
				Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m
O-Pile 143-1393	1066.8	23.81	1392.8	14288.5	3413.3	762148.2	476.9	562.23	647.56	4925.8	5910.9	6403.5	6858.5	7930.1	4925.8
O-Pile 144-2460	2133.6	10	2459.6	14333.1	3413.3	1529053.5	410.31	484.54	558.77	4941.2	5929.4	6423.5	6879.9	7954.9	4941.2
O-Pile 144-2155	1828.8	12	2154.8	14342.9	3413.3	1311518.5	420.78	496.75	572.72	4944.6	5933.5	6427.9	6884.6	7960.3	4944.6
O-Pile 145-1596	1270	19.05	1596	14453.4	3413.3	917788.2	458.3	540.53	622.76	4982.6	5979.1	6477.4	6937.6	8021.6	4982.6
O-Pile 147-1698	1371.6	17.46	1697.6	14628.3	3413.3	1003210.4	454.9	536.56	618.22	5042.9	6051.5	6555.8	7021.6	8118.7	5042.9
O-Pile 149-1545	1219.2	20.64	1545.2	14818.2	3413.3	903320	475.04	560.05	645.07	5108.4	6130.1	6640.9	7112.8	8224.1	5108.4
O-Pile 152-2155	1828.8	12.7	2154.8	15162.1	3413.3	1386425.7	444.13	524	603.86	5227	6272.3	6795	7277.8	8415	5227
O-Pile 152-1850	1524	15.88	1850	15170.7	3413.3	1156010.8	460.35	542.92	625.49	5229.9	6275.9	6798.9	7282	8419.8	5229.9
O-Pile 152-1393	1066.8	25.4	1392.8	15172.7	3413.3	809312.2	506.78	597.09	687.4	5230.6	6276.7	6799.8	7282.9	8420.9	5230.6
O-Pile 152-1444	1117.6	23.81	1443.6	15176.3	3413.3	848053.5	499.28	588.33	677.39	5231.9	6278.2	6801.4	7284.6	8422.9	5231.9
O-Pile 152-1647	1320.8	19.05	1646.8	15176.9	3413.3	1002283.2	476.2	561.41	646.62	5232.1	6278.5	6801.7	7284.9	8423.2	5232.1
O-Pile 153-1748	1422.4	17.46	1748.4	15295.8	3413.3	1087834.6	471.31	555.7	640.1	5273	6327.6	6854.9	7342	8489.1	5273
O-Pile 156-1596	1270	20.64	1596	15598.9	3413.3	990532.6	494.43	582.68	670.93	5377.5	6453	6990.8	7487.5	8657.4	5377.5
O-Pile 158-1901	1574.8	15.88	1900.8	15782	3413.3	1242676.8	475.27	560.33	645.38	5440.7	6528.8	7072.9	7575.4	8759	5440.7
O-Pile 159-1545	1219.2	22.22	1545.2	15895.6	3413.3	968994.3	509.58	600.35	691.12	5479.8	6575.8	7123.7	7629.9	8822	5479.8
O-Pile 160-1698	1371.6	19.05	1697.6	15902.6	3413.3	1090598.5	494.1	582.3	670.49	5482.2	6578.7	7126.9	7633.2	8825.9	5482.2
O-Pile 160-2460	2133.6	11.11	2459.6	15902.7	3413.3	1696503.5	453.78	535.26	616.73	5482.3	6578.7	7127	7633.3	8826	5482.3
O-Pile 162-1444	1117.6	25.4	1443.6	16118.7	3413.3	900713.5	530.65	624.93	719.22	5556.7	6668.1	7223.7	7737	8945.9	5556.7
O-Pile 164-1647	1320.8	20.64	1646.8	16382.2	3413.3	1081880	513.82	605.3	696.78	5647.6	6777.1	7341.8	7863.5	9092.1	5647.6
O-Pile 167-1748	1422.4	19.05	1748.4	16630.3	3413.3	1182749.9	512	603.18	694.36	5733.1	6879.7	7453	7982.6	9229.8	5733.1
O-Pile 167-1850	1524	17.46	1850	16635.6	3413.3	1267632.4	504.12	593.99	683.85	5734.9	6881.9	7455.4	7985.1	9232.8	5734.9
O-Pile 168-1596	1270	22.22	1596	16735.6	3413.3	1062713	530.46	624.71	718.97	5769.4	6923.3	7500.2	8033.1	9288.3	5769.4
O-Pile 170-1545	1219.2	23.81	1545.2	16964.2	3413.3	1034138	544.03	640.54	737.05	5848.2	7017.8	7602.7	8142.8	9415.1	5848.2
O-Pile 171-2155	1828.8	14.29	2154.8	17013	3413.3	1555666.4	497.04	585.72	674.41	5865	7038	7624.5	8166.2	9442.2	5865
O-Pile 172-2460	2133.6	12	2459.6	17151.3	3413.3	1829704	488.43	575.67	662.92	5912.7	7095.2	7686.5	8232.6	9519	5912.7
O-Pile 172-1698	1371.6	20.64	1697.6	17167.8	3413.3	1177368	533.21	627.92	722.63	5918.4	7102.1	7693.9	8240.5	9528.1	5918.4
O-Pile 174-1901	1574.8	17.46	1900.8	17307.6	3413.3	1362799.9	520.53	613.13	705.73	5966.6	7159.9	7756.6	8307.6	9605.7	5966.6
O-Pile 176-1647	1320.8	22.22	1646.8	17578.5	3413.3	1160881.7	551.34	649.08	746.81	6060	7271.9	7877.9	8437.7	9756	6060



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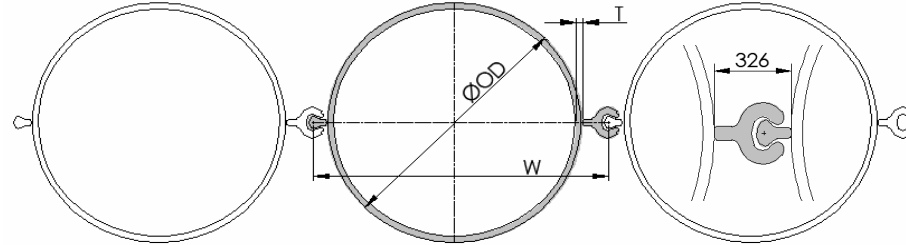
O-Pile 51 - 1088
KEY: (51 = Section Modulus)
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SECTION	Diameter OD	Thickness (Wall) T	System Width* W	UNIT OF WALL						BENDING MOMENT/MEL					
				Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	
O-Pile 179-1596	1270	23.81	1596	17863.6	3413.3	1134335.8	566.4	666.64	766.89	6158.2	7389.9	8005.7	8574.5	9914.3	6158.2
O-Pile 180-1748	1422.4	20.64	1748.4	17955.7	3413.3	1277007.5	552.6	650.55	748.49	6190	7428	8047	8618.7	9965.4	6190
O-Pile 181-1545	1219.2	25.4	1545.2	18024.1	3413.3	1098751	578.38	680.62	782.86	6213.6	7456.3	8077.7	8651.6	10003.4	6213.6
O-Pile 181-1850	1524	19.05	1850	18091.1	3413.3	1378540.5	547.8	644.94	742.09	6236.7	7484	8107.7	8683.7	10040.6	6236.7
O-Pile 182-2460	2133.6	12.7	2459.6	18134	3413.3	1934530	515.73	607.53	699.33	6251.5	7501.7	8126.9	8704.3	10064.3	6251.5
O-Pile 185-1698	1371.6	22.22	1697.6	18424	3413.3	1263519.1	572.23	673.44	774.65	6351.5	7621.7	8256.9	8843.5	10225.3	6351.5
O-Pile 188-1647	1320.8	23.81	1646.8	18766	3413.3	1239306.5	588.77	692.75	796.72	6469.4	7763.2	8410.2	9007.7	10415.1	6469.4
O-Pile 189-1901	1574.8	19.05	1900.8	18823.8	3413.3	1482186.4	565.7	665.83	765.95	6489.3	7787.1	8436.1	9035.4	10447.2	6489.3
O-Pile 189-2155	1828.8	15.88	2154.8	18854	3413.3	1724006.9	549.85	647.34	744.82	6499.7	7799.6	8449.6	9049.9	10464	6499.7
O-Pile 190-1596	1270	25.4	1596	18982.7	3413.3	1205401	602.25	708.46	814.68	6544.1	7852.9	8507.3	9111.7	10535.4	6544.1
O-Pile 193-1748	1422.4	22.22	1748.4	19271.9	3413.3	1370618.9	593.11	697.8	802.5	6643.8	7972.5	8636.9	9250.5	10695.9	6643.8
O-Pile 196-1850	1524	20.64	1850	19537.2	3413.3	1488735.1	591.38	695.79	800.2	6735.2	8082.2	8755.8	9377.9	10843.1	6735.2
O-Pile 197-1698	1371.6	23.81	1697.6	19671.2	3413.3	1349051.6	611.15	718.85	826.55	6781.4	8137.7	8815.8	9442.2	10917.5	6781.4
O-Pile 200-1647	1320.8	25.4	1646.8	19944.5	3413.3	1317136.3	626.11	736.31	846.5	6875.6	8250.7	8938.3	9573.4	11069.2	6875.6
O-Pile 204-1901	1574.8	20.64	1900.8	20330.7	3413.3	1600836.5	610.78	718.41	826.05	7008.8	8410.5	9111.4	9758.7	11283.5	7008.8
O-Pile 204-2460	2133.6	14.29	2459.6	20355.1	3413.3	2171483.2	577.59	679.69	781.8	7017.2	8420.6	9122.3	9770.5	11297.1	7017.2
O-Pile 206-1748	1422.4	23.81	1748.4	20579.2	3413.3	1463589.6	633.52	744.95	856.38	7094.4	8513.3	9222.7	9878	11421.4	7094.4
O-Pile 207-2155	1828.8	17.46	2154.8	20685.3	3413.3	1891460.9	602.57	708.84	815.12	7131	8557.2	9270.3	9928.9	11480.3	7131
O-Pile 210-1698	1371.6	25.4	1697.6	20909.6	3413.3	1433977.4	649.98	764.15	878.32	7208.3	8650	9370.8	10036.6	11604.8	7208.3
O-Pile 210-1850	1524	22.22	1850	20974.2	3413.3	1598232.4	634.87	746.53	858.19	7230.6	8676.7	9399.8	10067.6	11640.7	7230.6
O-Pile 219-1901	1574.8	22.22	1900.8	21828.1	3413.3	1718744.7	655.76	770.89	886.03	7525	9030	9782.5	10477.5	12114.6	7525
O-Pile 219-1748	1422.4	25.4	1748.4	21877.3	3413.3	1555914	673.84	791.99	910.14	7541.9	9050.3	9804.5	10501.1	12141.9	7541.9
O-Pile 225-1850	1524	23.81	1850	22401.9	3413.3	1707021.6	678.27	797.16	916.05	7722.8	9267.3	10039.6	10752.9	12433	7722.8
O-Pile 226-2155	1828.8	19.05	2154.8	22506.9	3413.3	2058028.6	655.2	770.24	885.28	7759	9310.8	10086.7	10803.3	12491.3	7759
O-Pile 226-2460	2133.6	15.88	2459.6	22566.2	3413.3	2407367.1	639.35	751.75	864.15	7779.4	9335.3	10113.3	10831.8	12524.3	7779.4
O-Pile 234-1901	1574.8	23.81	1900.8	23316.3	3413.3	1835927	700.65	823.26	945.88	8038	9645.6	10449.4	11191.8	12940.6	8038
O-Pile 239-1850	1524	25.4	1850	23820.4	3413.3	1815113.5	721.57	847.68	973.79	8211.8	9854.1	10675.3	11433.8	13220.3	8211.8
O-Pile 244-2155	1828.8	20.64	2154.8	24318.8	3413.3	2223714.5	707.73	831.53	955.33	8383.6	10060.3	10898.7	11673	13497	8383.6



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O-Pile 51 - 1088
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				Section Modulus	Interlock Strength	Moment of Inertia	Weight- Connector Ratio			50	60	65	X70	X80	Mariner® Steel ASTM A690
							50%	75%	100%						
mm	mm	mm	cm ³ /m	kN/m	cm ⁴ /m	kg/m ²	kg/m ²	kg/m ²	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m	kN-m/m
O-Pile 248-2460	2133.6	17.46	2459.6	24767.4	3413.3	2642185.7	701.02	823.7	946.38	8538.3	10245.9	11099.7	11888.3	13745.9	8538.3
O-Pile 248-1901	1574.8	25.4	1900.8	24795.3	3413.3	1952383.2	745.44	875.52	1005.61	8547.9	10257.5	11112.2	11901.8	13761.4	8547.9
O-Pile 262-2155	1828.8	22.22	2154.8	26121.2	3413.3	2388518.7	760.17	892.71	1025.25	9005	10805.9	11706.4	12538.2	14497.2	9005
O-Pile 270-2460	2133.6	19.05	2459.6	26958.6	3413.3	2875939.2	762.59	895.54	1028.48	9293.6	11152.4	12081.7	12940.1	14962	9293.6
O-Pile 280-2155	1828.8	23.81	2154.8	27913.8	3413.3	2552441.1	812.52	953.78	1095.04	9623	11547.5	12509.8	13398.6	15492.2	9623
O-Pile 292-2460	2133.6	20.64	2459.6	29139.8	3413.3	3108631.5	824.08	967.27	1110.46	10045.6	12054.7	13059.3	13987.1	16172.6	10045.6
O-Pile 297-2155	1828.8	25.4	2154.8	29697	3413.3	2715495.6	864.77	1014.74	1164.71	10237.7	12285.2	13309	14254.6	16481.8	10237.7
O-Pile 314-2460	2133.6	22.22	2459.6	31311.1	3413.3	3340266.7	885.47	1038.89	1192.31	10794.1	12952.9	14032.3	15029.3	17377.7	10794.1
O-Pile 335-2460	2133.6	23.81	2459.6	33472.6	3413.3	3570853	946.76	1110.4	1274.04	11539.3	13847.1	15001	16066.8	18577.3	11539.3
O-Pile 357-2460	2133.6	25.4	2459.6	35624.2	3413.3	3800386.2	1007.97	1181.8	1355.64	12281	14737.2	15965.3	17099.6	19771.4	12281